

AMENDMENTS

In the Specification:

Amend the paragraph at page 6, lines 15-21, as follows.

Figure 4 shows a desired input power profile over a wide range of operating speeds. Such a profile may be predetermined by means of modelling software in a computer readable medium, such as the memory associated with the electronic control board 9, and may be generated for a specific application of the motor. For example, the profile of Figure 4 has been generated for a vacuum cleaner motor. This profile shows the power increasing steadily with speed until maximum power is achieved at very high speeds of between eighty thousand and one hundred thousand rpm. At speeds above this limit, the motor is arranged to power-down to avoid excessive wear to the components.

Amend the paragraph at page 8, lines 18-23, as follows.

The nominal advance angle profile and the correction factor are held permanently in locations in the computer readable memory, a non-volatile memory associated with the control board. The amount of data stored is typically the equivalent of one row of data in the prior art control map consisting of look-up tables. Thus, the control map allows a smaller memory to be used, thereby reducing the cost of the machine. Alternatively, the extra, unused memory may be utilised for other applications.